

Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
USPTO Use Only

EFS ID: 17014  
Application ID: 10064719  
Title of Invention: A Method And System For Freeze  
Protecting Liquid NOx Reductants  
For Vehicle Application  
First Named Inventor: Christine Lambert  
Domestic/Foreign Application: Domestic Application  
Filing Date: null  
Effective Receipt Date: 2002-08-09  
Submission Type: Utility Patent Filing  
Filing Type: new-utility  
Confirmation Number: 0  
Attorney Docket Number: 201-0632  
Digital Certificate Holder: cn=David B. Kelley, ou=Registered Attorneys, ou=Patent and  
Trademark Office, ou=Department of Commerce, o=U.S.  
Government, c=US  
Certificate Message Digest: Gc9ANzdldEJayb/6he7BpQ==  
Total Fees Authorized: \$820.0  
Payment Category: DA - Deposit Account  
Deposit Account Number: 61510  
Deposit Account Name: Angela Y. Singleton



## TRANSMITTAL FORM



Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: Utility Patent  
FilingAttorney Docket  
Number:201 -  
0632

# A Method And System For Freeze Protecting Liquid NOx Reductants For Vehicle Application

First Named Inventor: Christine Kay Lambert

## SUBMITTED BY

Organization Name:

Ford Motor Company

Name:

Angela Yvonne Singleton Electronic  
Application Specialist

Electronic Signature Mark: /ays

Date Signed: 20020809

*I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.*

*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

## Attached Files:

declaration

declaration1.tif

declaration

declaration2.tif

declaration	declaration3.tif
declaration	consent.tif
declaration	ids_1.tif
declaration	ids_2.tif
patent-assignments	201-0632asgn.xml
bibd-transmittal	201-0632apds.xml
fee-transmittal	201-0632fee.xml
specification	specification.xml

Attached Image File(s):

declaration1.tif  
declaration2.tif  
declaration3.tif  
consent.tif  
ids\_1.tif  
ids\_2.tif

Comments:

<b>DECLARATION AND POWER OF ATTORNEY - ORIGINAL APPLICATION</b>					<b>Attorney's Docket No.</b> 201-0632												
<p>As a below named inventor, I hereby declare: My residence, post office address and citizenship are as stated below next to my name;</p> <p>I verily believe I am the original, first and sole inventor or an original, first and joint inventor of the subject matter that is claimed for which a patent is sought on the invention entitled</p> <p><b>A METHOD AND SYSTEM FOR FREEZE PROTECTING LIQUID NOX REDUCTANTS FOR VEHICLE APPLICATION</b></p> <p>the specification of which is attached hereto.</p> <p>I have reviewed and understand the contents of the specification identified above, including the claims.</p> <p>I acknowledge my duty to disclose information of which I am aware that is material to the examination of this application in accordance with Section 1.56(a), Title 37 of the Code of Federal Regulations; and as to application for patents or inventor's certificate on the invention filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns,</p> <p style="margin-left: 40px;"><input checked="" type="checkbox"/> no such applications have been filed, or</p> <p style="margin-left: 40px;"><input type="checkbox"/> such applications have been filed as follows:</p> <p style="margin-left: 40px;"><input type="checkbox"/> I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below</p>																	
<b>COUNTRY</b>	<b>APPLICATION NO.</b>	<b>DATE OF FILING</b> (month, day, year)	<b>DATE OF ISSUE</b> (month, day, year)	<b>PRIORITY CLAIMED UNDER 35 USC 119</b>	<input type="checkbox"/> Additional provision application numbers on a supplementary priority document PTO/SB/ attached												
<p>I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which is available between the filing date of the prior application and the national or PCT International filing date of this application</p> <table style="width: 100%; border-collapse: collapse;"><tr><td style="border-bottom: 1px solid black; width: 33%;"></td><td style="border-bottom: 1px solid black; width: 33%;"></td><td style="border-bottom: 1px solid black; width: 33%;"></td></tr><tr><td style="text-align: center; font-size: small;">(Application Number)</td><td style="text-align: center; font-size: small;">(Filing Date)</td><td style="text-align: center; font-size: small;">(Status - patented, pending, abandoned)</td></tr><tr><td style="border-bottom: 1px solid black;"></td><td style="border-bottom: 1px solid black;"></td><td style="border-bottom: 1px solid black;"></td></tr><tr><td style="text-align: center; font-size: small;">(Application Number)</td><td style="text-align: center; font-size: small;">(Filing Date)</td><td style="text-align: center; font-size: small;">(Status - patented, pending, abandoned)</td></tr></table> <p><b>POWER OF ATTORNEY:</b> - I/we hereby appoint the following Practitioners: Customer No. 28395, Michael S. Brodbine as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office and all foreign Patent Offices.</p>									(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)				(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)
(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)															
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**Address all correspondence and telephone calls to:**

Michael S. Brodbine  
Brooks & Kushman  
1000 Town Center Twenty-Second Floor  
Southfield, MI 48075-1351 Phone: 248-358-4400

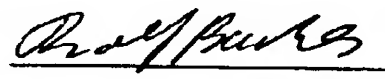
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements jeopardize the validity of the application or any patent issuing thereon.

NAME AND MAILING ADDRESS OF INVENTOR:	RESIDENCE	CITIZENSHIP	SIGNATURE
Christine Kay Lambert 2310 W. Miller Circle Westland, MI 48186 US	Westland, MI 48186 US	U.S.A	<i>Christine Lambert</i>
Rolf Backes Burgstuetgen 11 52223 Stolberg DE	52223 Stolberg DE	Germany	

**Address all correspondence and telephone calls to:**

Michael S. Brodbine  
Brooks & Kushman  
1000 Town Center Twenty-Second Floor  
Southfield, MI 48075-1351 Phone: 248-358-4400

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statement jeopardize the validity of the application or any patent issuing thereon.

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Christine Kay Lambert 2310 W. Miller Circle Westland, MI 48186 US	Westland, MI 48186 US	U.S.A		D
Rolf Backes Burgstuetgen 11 52223 Stolberg DE	52223 Stolberg DE	Germany		05

PATENT APPLICATION

ASSISTANT COMMISSIONER FOR PATENTS  
Washington, D. C. 20231

Case Docket No. **201-0632**  
Date: August 6, 2002

Sir:

Inventor(s):  
**Christine Lambert**  
**Rolf Backes**

For: **A METHOD AND SYSTEM FOR FREEZE PROTECTING LIQUID NOX REDUCTANTS FOR VEHICLE APPLICATION**

The attorney or agent below has reviewed this application and its attachments and consents to electronic filing by the assignee.

Respectfully submitted:



Damian Porcari  
Attorney or Agent of Record  
Registration No. 31,461  
Ford Global Technologies, Inc.  
One Parklane Blvd.,  
600 Parklane Towers East  
Dearborn, MI 48126  
Telephone: 1-313-8455101



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

**CHRISTINE KAY LAMBERT ET AL**

Serial No.: TO BE ASSIGNED

Filed: HEREWITH

For: A METHOD AND SYSTEM FOR FREEZE PROTECTING  
LIQUID NO<sub>x</sub> REDUCTANTS FOR VEHICLE APPLICATION

Attorney Docket No.: FMC 1429 PUS / 201-0632

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. § 1.97(b)(1)**Box Patent Application  
Commissioner for Patents  
United States Patent and Trademark Office  
Washington, D.C. 20231


Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and § 1.97-1.98, the references listed and identified on the attached Form PTO/SB08A are being submitted herewith for consideration by the Examiner. This Statement is being filed in accordance with 37 C.F.R. § 1.97(b)(1).

While this Statement is being filed in compliance with the duty of disclosure, citation of the attached references is not to be construed as an admission that any of the references are "material" as defined under 37 C.F.R. § 1.56(b).

A copy of each reference listed on the attached Form PTO/SB08A is included herewith. Consideration and entry into the record of these references is respectfully requested.

Respectfully submitted,

**CHRISTINE KAY LAMBERT ET AL**Date: 5/14/02By:   
MICHAEL S. BRODBINE  
Reg. No. 38,392  
Attorney/Agent for Applicants

PTO/SB/08A (10-96) [MODIFIED]

Approved for use through 10/31/99. OMB 0651-00

Patent and Trademark Office U S DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	TO BE ASSIGNED
				Filing Date	HEREWITH
				First Named Inventor	CHRISTINE KAY LAMBERT ET AL
				Group Art Unit	
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	FMC 1429 PUS / 201-0632

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature		Date Considered	
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\*EXAMINER. Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance at considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (Standard ST 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Large Entity

**TOTAL FEES AUTHORIZED: \$ 820**

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 06-1510

Deposit Account Name: Ford Global Technologies, Inc.



Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

## SUBMITTED BY

Authorized Name: Angela Y. Singleton

Electronic Signature Mark: /ays

Date Signed: 20020809

## BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

## EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 20	103	\$ 18	0	\$ 0
Independent Claims: 3	102	\$ 84	0	\$ 0

Subtotal For Extra Claims Fees: \$ 0

## ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	581	\$ 40	\$ 40
Recording Each Patent Assignment Per Property Fee	00000000	1	581	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 80